

SEQUENCE LISTING

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 Houghton, Raymond L.
 Reed, Steven G.

<120> COMPOSITIONS AND METHODS FOR THE
 THERAPY, DIAGNOSIS AND MONITORING OF BREAST CANCER

<130> 210121.479C1

<140> US
 <141> 2001-01-08

<160> 49

<170> FastSEQ for Windows Version 4.0

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 <213> Homo sapien

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 Ser Asn Val Glu
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 1 5 10 15

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 1 5 10 15
 Ile Ser Lys Thr Ile
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 1 5 10 15
 Asn Ala Ile Asp
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 <211> 9
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 <213> Homo sapien

<400> 5
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 1 5

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<400> 7
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<210> 8
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> PCR primer

<400> 8
 tgccatagat gaattgaagg aatg

24

<210> 9
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<220>

Glu Leu Leu Gln Glu Phe Ile Asp Asp Asn Ala Thr Thr Asn Ala Ile

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<213> Oryctolagus cuniculus
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<213> Oryctolagus cuniculus
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<213> Oryctolagus cuniculus
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| tcagtcggtg | gaggagtccg | gggtcgcct | ggtaacgcct | ggaggatccc | tgacactcac | 120 |
| ctgcacagtc | tctggaatcg | acctcagtag | ctatggagtg | ggctgggtcc | gccaggctcc | 180 |
| agggaagggg | ctggaataca | tcggaatcat | tagtaaaatt | gataacacat | actacgcgaa | 240 |
| ctgggcgaaa | ggccgattca | ccatctccaa | aacctcgtcg | accacggtgg | atctgaaaat | 300 |
| gaccagtctg | acaaccgagg | acacggccac | ctatttctgt | accagagggt | cttttgatcc | 360 |
| ctggggccca | ggcacccctg | tcaccgtctc | ctcagggcaa | cctaa | | 405 |

<210> 20

<211> 414

<212> DNA

<213> *Oryctolagus cuniculus*

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| | | | | | | |
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| tcagtcggtg | gaggagtccg | gggtcgcct | ggtaacgcct | gggacacccc | tgacactcac | 120 |
| ctgcacagtc | tctggaatcg | acctcagtag | ctatggagtg | ggctgggtcc | gccaggctcc | 180 |
| agggaagggg | ctggaatgga | tcggaacat | tagtactatt | ggtagcccat | tttacgcgag | 240 |
| ctgggcgaga | ggccgattca | ccatctccaa | aacctcgacc | acggtggatc | tgaaaatcac | 300 |
| caatccgaca | accgaggaca | cggccacgta | tttttgcggc | agatttcgga | ttgctggtga | 360 |
| tggtgccttc | tggggcccag | gcacgctggt | caccgtctcc | tcagggcaac | ctaa | 414 |

<210> 21

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<213> *Oryctolagus cuniculus*

<400> 21

| | | | | | | |
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| tcagtcggtg | gaggagtccg | gggtcgcct | ggtaacgcct | aggacacccc | tgacactcac | 120 |
| ctgcacagtc | tctggaatcg | acctcagtag | ctatggagtg | ggctgggtcc | gccaggctcc | 180 |
| agggaagggg | ctggaatgga | tcggaacat | tagtactatt | ggtagcccat | tttacgcgac | 240 |
| ctgggcgaga | ggccgattca | ccatctccaa | aacctcgacc | acggtggatc | tgaaaatcac | 300 |
| caatccgaca | accgaggaca | cggccacgta | tttttgcggc | agatttcgga | ttgctggtga | 360 |
| tggtgccttc | tggggcccag | gcacgctggt | caccgtctcc | tcagggcaac | ctaa | 414 |

<210> 22

<211> 414

<212> DNA

<213> *Oryctolagus cuniculus*

<400> 22

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| tcagtcggtg | gaggagtccg | gggtcgcct | ggtaacgcct | gggacacccc | tgagattcac | 120 |
| ctgcacagtc | tctggaatcg | acctcagtag | ctatggagtg | ggctgggtcc | gccaggctcc | 180 |
| agggaagggg | ctggaatgga | tcggaacat | tagtactatt | ggtagcccat | tttacgcgaa | 240 |
| ctgggcgaga | ggccgattca | ccatctccaa | gaacctcgacc | acggtggatc | tgaaaatcgc | 300 |
| cagtcgcgac | accgaagaca | ctgccacata | tttttggtgc | agatttcgga | ttgctcatga | 360 |
| tggtgccttc | tggggcccag | gcacgctggt | caccgtctcc | tcagggcaac | ctaa | 414 |

<210> 23

<211> 422

<212> DNA

<213> *Oryctolagus cuniculus*

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 cccagtccga caaccgagga cacggccacc tatttctgtg ccagtatcta ttctgatagt 360
 ggtacttata cgaccttgtg gggcccaggc accccgggtca ccgtctcctc agggcaacct 420
 aa 422

<210> 24
 <211> 414
 <212> DNA
 <213> *Oryctolagus cuniculus*

<400> 24
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 ctgcaccgtc tctggattct ccctcagcag cgtcgacatg acctgggtcc gccaggctcc 180
 agggaagggg ctggaatgga tcggaaccat tagtactcgt agtagcacat actacgcgag 240
 ctgggcgaaa ggccgattca ccattctcaa aacctcgacc acggtggatc tgaaaatcac 300
 cagtcgcgaca accgaggaca cggccacgta tttctgtggc agatttcgga ttgctgggtga 360
 tgggtgccttc tggggcccag gcacgctggt caccgtctcc tcagggcaac ctaa 414

<210> 25
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 <213> *Oryctolagus cuniculus*

<220>
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 tttggatttt ccctcagtag ctggtcaatg agctgggtcc gccaggctcc agggaagggg 180
 ctggaatgga tcggaatgat tggatttgtt ggtagtggca cataatangc gacctgggcg 240
 aaaggccgat tcaccatttc caaaaccttg tgaccacggt cgatttgaaa atgaccagtt 300
 tgacaaccga ggacacggcc acctattttt gtgtcagagg gggtagtttt anttttgcta 360
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<210> 26
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<220>
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<212> PRT
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<210> 29
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<213> Homo sapien
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<212> PRT

<213> Homo sapien

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 Asn Val Ile Ser
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<210> 31

<211> 20

<212> PRT

<213> Homo sapien

<400> 31

Gly Cys Pro Leu Leu Glu Asn Val Ile Ser Lys Thr Ile Asn Pro Gln
 1 5 10 15
 Val Ser Lys Thr
 20

<210> 32

<211> 20

<212> PRT

<213> Homo sapien

<400> 32

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 1 5 10 15
 Gln Glu Phe Ile
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<210> 33

<211> 20

<212> PRT

<213> Homo sapien

<400> 33

Glu Tyr Lys Glu Leu Leu Gln Glu Phe Ile Asp Asp Asn Ala Thr Thr
 1 5 10 15
 Asn Ala Ile Asp
 20

<210> 34

<211> 20

<212> PRT

<213> Homo sapien

<400> 34

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 1 5 10 15
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<210> 35

<400> 40

Phe Leu Asn Gln Thr Asp Glu Thr Leu
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<210> 41
<211> 10
<212> PRT
<213> Homo sapien

<400> 41
Leu Ile Tyr Asp Ser Ser Leu Cys Asp Leu
1 5 10

<210> 42
<211> 10
<212> PRT
<213> Homo sapien

<400> 42
Lys Leu Leu Met Val Leu Met Leu Ala Ala
1 5 10

<210> 43
<211> 10
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1 5 10

<210> 44
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1 5 10

<210> 45
<211> 10
<212> PRT
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<400> 45
Leu Leu Gln Glu Phe Ile Asp Asp Asn Ala
1 5 10

<210> 46
<211> 399
<212> DNA
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<400> 46

103040 "2142360

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aagttgctga tggtcctcat gctggcggcc ctctccagc actgctacgc aggctctggc 180
tgcccttat tggagaatgt gatttccaag acaatcaatc cacaagtgtc taagactgaa 240
tacaaagaac ttcttcaaga gttcatagac gacaatgcca ctacaaatgc catagatgaa 300
ttgaaggaat gttttcttaa ccaaacggat gaaactctga gcaatgttga ggtgtttatg 360
caattaatat atgacagcag tctttgtgat ttattttaa 399

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 20 25 30

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 35 40 45

 Ala Ala Leu Ser Gln His Cys Tyr Ala Gly Ser Gly Cys Pro Leu Leu
 50 55 60

 Glu Asn Val Ile Ser Lys Thr Ile Asn Pro Gln Val Ser Lys Thr Glu
 65 70 75 80

 Tyr Lys Glu Leu Leu Gln Glu Phe Ile Asp Asp Asn Ala Thr Thr Asn
 85 90 95

 Ala Ile Asp Glu Leu Lys Glu Cys Phe Leu Asn Gln Thr Asp Glu Thr
 100 105 110

 Leu Ser Asn Val Glu Val Phe Met Gln Leu Ile Tyr Asp Ser Ser Leu
 115 120 125

 Cys Asp Leu Phe
 130

<210> 48
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<220>
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<210> 49
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<220>
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36

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